

PANEL FORMWORK SYSTEM

ABSTRACT

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Formwork system for the process of casting prefabricated wall and slab panels that is flexible in width and height is provided. This formwork system includes two types of retractable bracing structures that are located on the sides and ends of mould structure. The height and width of panels can be varied by moving the linear retractable bracing structure, while the lever retractable bracing structure holds the side form firmly by clamping down the side form to the platform of the support structure. The thickness of the panel to be cast can be varied by using different modules of side form that are designed to produce a series of modules of various heights. Various patterns on the wall can be designed by incorporating specially designed channels in the mould.